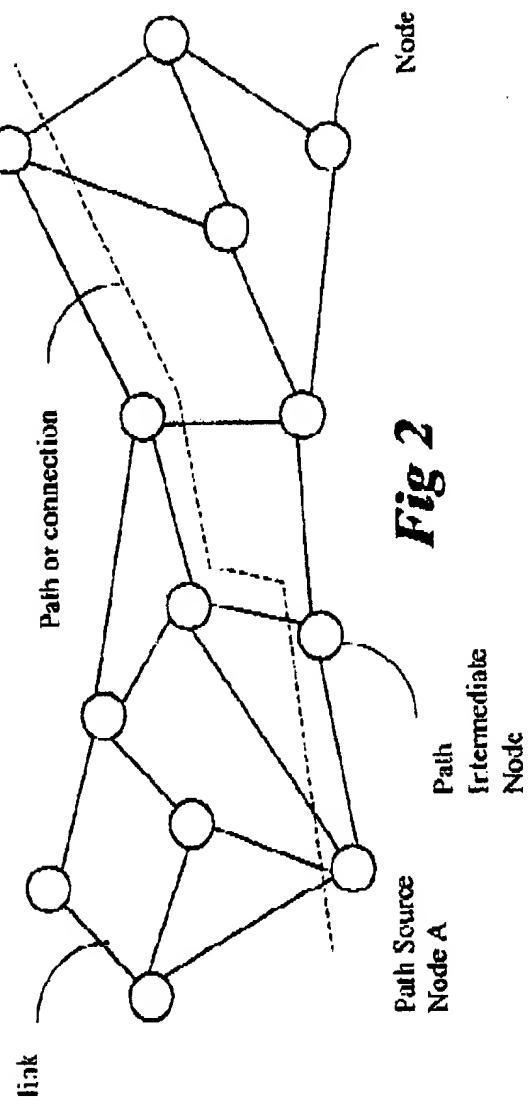


**Fig 1**



**Fig 2**

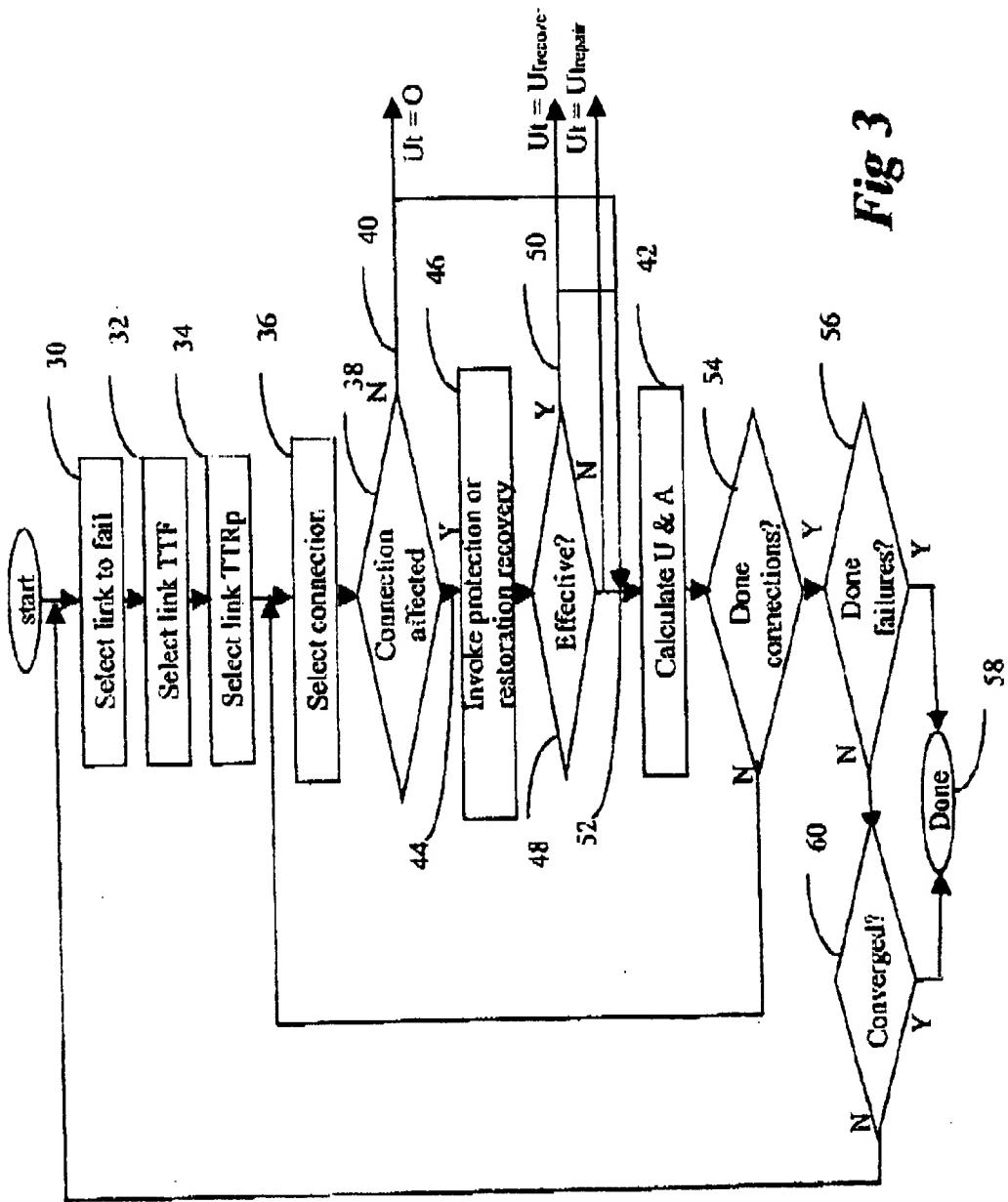
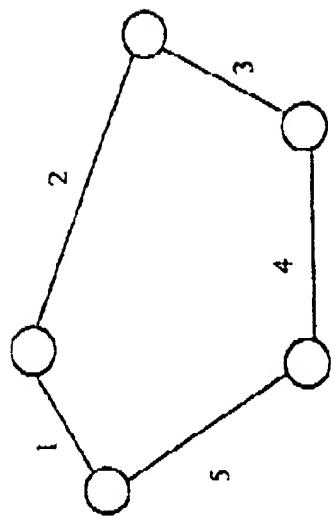


Fig 3



**Fig 4**

Link Selection Probability Density

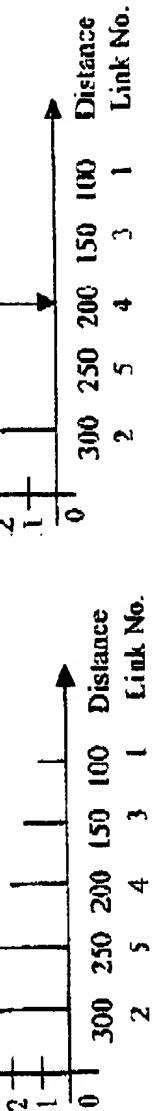


**Fig 5**

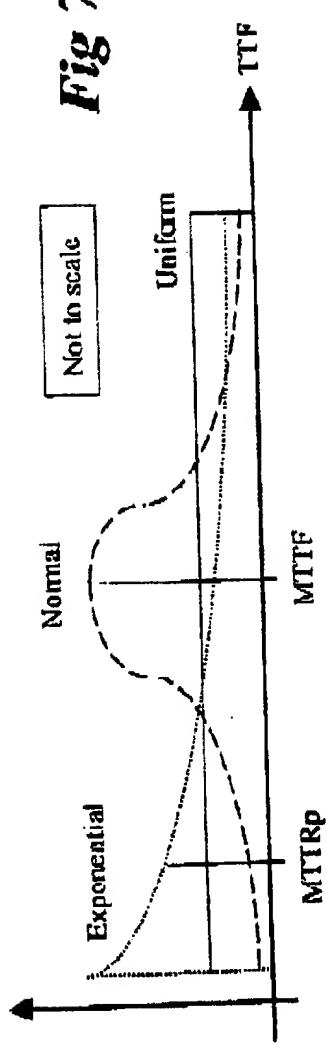
Link Selection Probability Distribution



**Fig 6**

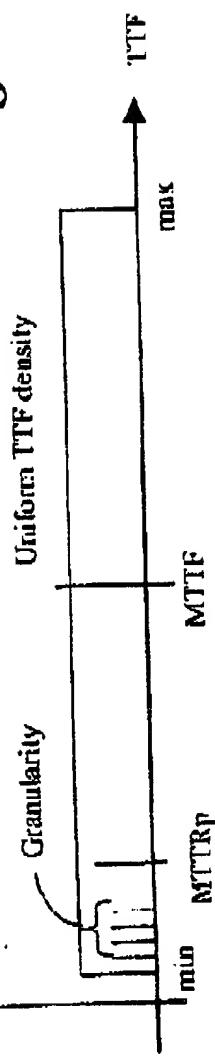


TTF Probability Density

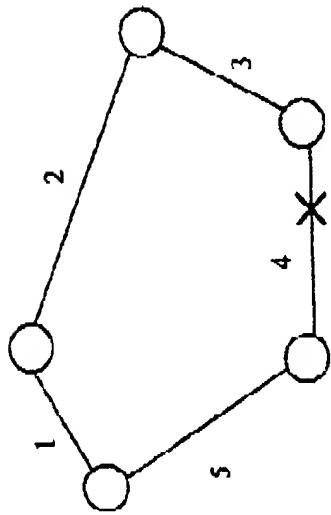


*Fig 7*

TTF Probability Distribution



*Fig 8*



**Fig 9**

**Fig 11**

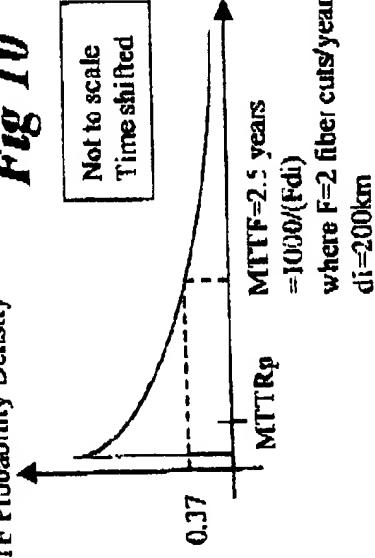
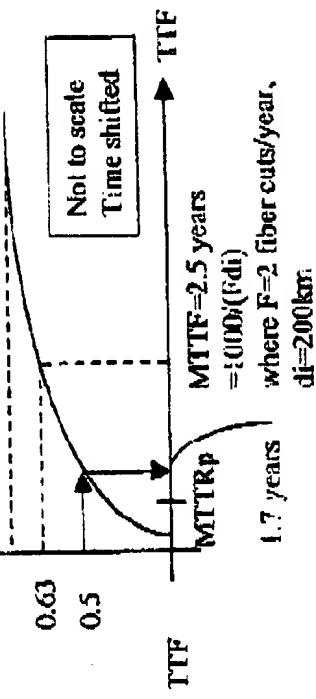
TTF Probability Distribution

**Fig 10**

TTF Probability Density

Not to scale  
Time shifted

Not to scale  
Time shifted



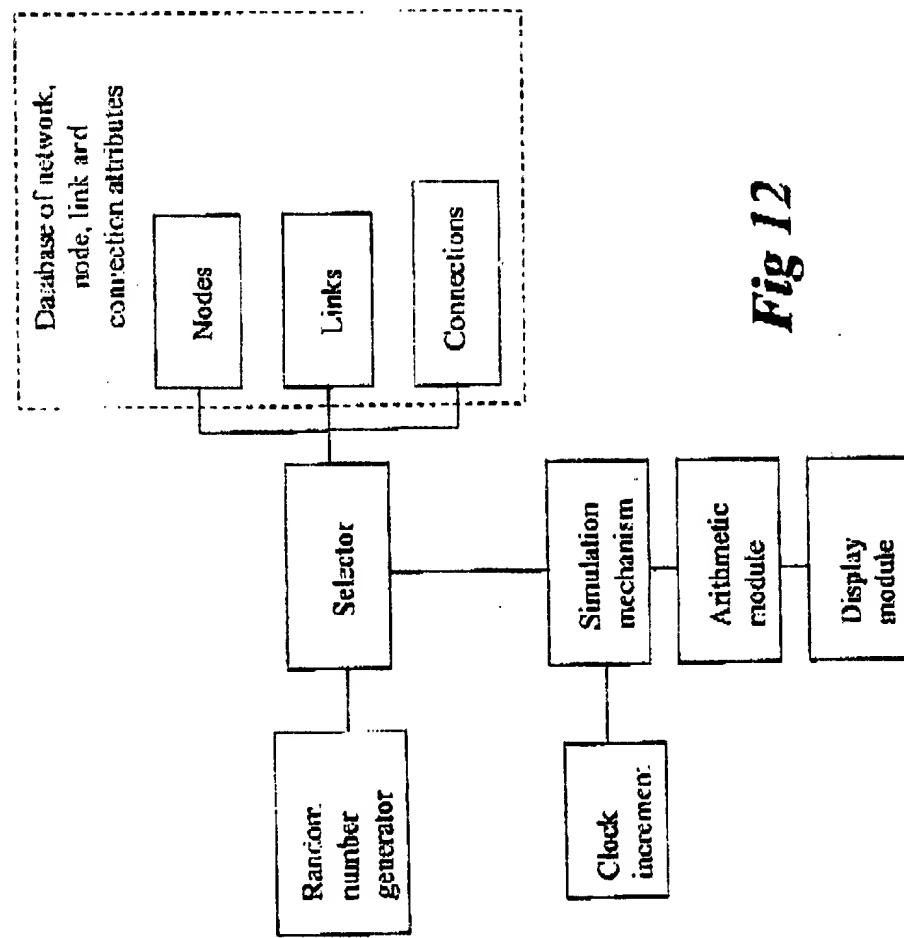
**Network Attributes - total:**

- nodes (N)
- links (L)
- connections (C)
- link distance (TD)

**Database of network, node, link and connection attributes:**

(when included in availability simulation)

- no. connecting links (i)
- which connecting links (i)
- selection criteria for failure
- failure date (PTFs, MTTF, TTF selection criteria & distribution)
- recovery data, if applicable (mechanism, TTRc)
- repair data (MTTRp, TTRp selection criteria & distribution)



**Fig 12**

**Per Node Attributes:**

(when included in availability simulation)

- no. connecting links
- which connecting links (i)
- selection criteria for failure
- failure date (PTFs, MTTF, TTF selection criteria & distribution)
- recovery data, if applicable (mechanism, TTRc)
- repair data (MTTRp, TTRp selection criteria & distribution)

**Per Link Attributes:**

- which connecting nodes
- distance (dl)
- selection criteria for failure
- failure date (F, MTTF, TTF selection criteria & distribution)
- recovery data, if applicable (mechanism, TTRc)
- repair data (MTTRp, TTRp selection criteria & distribution)

**Per Connection Attributes:**

- which source (A) & sink (Z) nodes
- no. intermediate nodes
- which intermediate nodes
- which links in connection (j)
- total distance (CD)
- recovery data, if applicable (mechanism, TTRc)

